Technical Parameters



Weight:6.5kg

Operational Module



Weight:12.5kg

Single Analytical Module

Model	Logicore
Technical Principles	Magnetic bead extraction + fluorescence quantitative PCR + digital microfluidics
Sample Capacity	Free combination of 1-8 fluxes
Temperature Control Module	Semiconductor thermoelectric module
Temperature Accuracy	≤0.5 ℃
Temperature Uniformity	±1 ℃
Excitation Light Source	Long-lasting four-color LED light source
Fluorescence Channel	FAM；VIC；ROX；Cy5
Repeatability of Fluorescence Intensity Detection	CV≤3%
Precision of Fluorescence Intensity Detection	CV≤5%
Sample Detection Repeatability	CV≤3%
Display	Android 11；15.6 Inch；1080P
Interface	USB; RJ45
Operating System	Chinese/English Operating System
Maximum Input Voltage	400VA

Ordering Information

Product	Contents	Cat. no.
Logicore System	Unit	Logicore
Logicore Operational Module	Unit	Logicore-1
Logicore Analytical Module	Unit	Logicore-2

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LOGiLET

CE



Logicore System

Logilet is pleased to present the digital era of molecular diagnostics

www.logilet.com

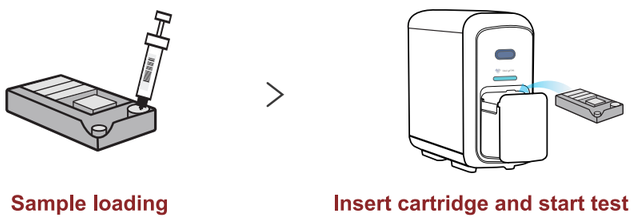
Product Introduction

The ***Logicore System*** offers an integrated, comprehensive approach to molecular syndromic infectious disease testing. Digital microfluidic technology allows for the manipulation and control of fluid, completing the full process of nucleic acid extraction, amplification, and detection of the sample to be tested within the cartridge. It addresses the drawbacks of conventional nucleic acid testing protocols, thereby actualizing a fully automated genetic testing paradigm of "input samples, output results".

Inspection process

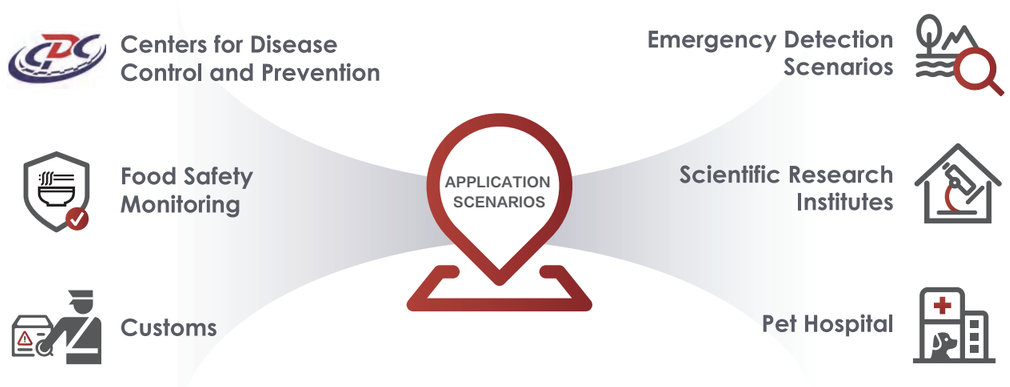


Sampling > Scan the sample > Scan the cartridge



Sample loading > Insert cartridge and start test > Read the result after 1h

Application Scenarios



System Features



Detection Panels

Market Segment	Product Category	Sample Type
Upper Respiratory Tract	Respiratory Pathogen Panel *	Nasopharyngeal Swab
Lower Respiratory Tract	Lower Respiratory Pathogens Panel #	Sputum, Bronchoalveolar Lavage Fluid
	Respiratory Fungal Panel #	
Blood Culture Identification	BCID Bacterial Panel #	Positive Blood Culture
	BCID Fungal Panel #	
Sexual Health	Sexual Health Panel #	Vaginal Swab, Urethral Swab, Cervical Swab, Urine
Gastrointestinal Tract	GI Bacterial Panel #	Stool, Rectal Swab
	GI Virus&Parasites Panel #	
Arbovirus	Arbovirus Panel #	Serum, Plasma

*CE Marked #Upcoming